

## **ABSTRACT**

A lighting system is disclosed comprising a plurality of image projection lighting devices including a first image projection lighting device, a central controller, and a communications system which permits the central controller to communicate with the plurality of image projection lighting devices. The first image projection lighting device is comprised of a camera, and a light valve, wherein the light valve is used to project a first projected image onto a projection surface. The camera of the first image projection light device can capture at least a portion of the first projected image projected from the light valve to form a first captured image. At least a portion of the first captured image is projected as a second projected image by the first image projection lighting device onto the projection surface creating a video feedback loop.